AMENDMENT NO. 2 APRIL 2017
TO
IS 16232 : 2014 IRON FORTIFIED IODIZED SALT (DOUBLE FORTIFIED SALT) — FOOD GRADE — SPECIFICATION

[*Page* 1, *Table* 1, *Sl No.* x), *c*ol (5)] — Substitute '**A-7**' *for* '**A-8**'.

(*Page* 10, Annex F) —Insert the following at the end:

[*Page* 1, *Table* 1, *Sl No.* iv), *c*ol (4)] — Substitute '**G**' *for* '--'.

[*Page* 1, *Table* 1, *Sl No.* iv), *c*ol (5)] — Substitute '**--**' *for* '**A-6**'.

[*Page* 1, *Table* 1, *Sl No.* v), *c*ol (5)] — Substitute '**A-6**' *for* '**A-7**'.

[*Page* 1, *Table* 1, *Sl No.* ix), *c*ol (5)] — Substitute '**A-8**' *for* '**A-9**'.

(*Page* 7, *clause* **D-2**, *p*ara 2, *line* 5) — Insert the following at the beginning:

'Dry it at 100 ± 2°C and for 2 h.'

(*Page* 8, *clause* **E-4.1**, *para* 1, *line* 1) — Substitute 'sample' *f*or 'sodium hexa meta phosphate'.

(*Page* 8, *clause* **E-5**, *para* 1, *line* 1) — Substitute the following for the existing clause:

'E-5 CALCULATION

Sodium hexa meta phosphate percent by mass on dry basis, =

$$\left[60 - \left(\frac{V_1 \text{ x } N_1}{N_2}\right)\right] \text{ x } \left(\frac{0.061\,72}{W}\right) \text{ x } 100$$

where

V_1 = volume of H_2So_4 (titre value);
N_1 = normality of H_2So_4;
N_2 = normality of NaOH; and
W = mass of the material taken for the test, in g.

ANNEX G

[*Table 1*, Sl No. (iv)]

DETERMINATION OF MATTER INSOLUBLE IN DILUTE HYDROCHLORIC ACID

G 1 REAGENTS

G 1.1 Dilute Hydrochloric Acid - 1 : 1 (*v/v*) and 1 : 20 (*v/v*).

G 1.2 Concentrated Hydrochloric Acid

G 2 Procedure

Accurately weigh about 20 g of the dried sample, dissolve it in 200 ml of water in a beaker and heat to boiling and cool. Filter the solution through a weighed Gooch crucible G4 or sintered glass crucible and wash the residue till it is free from soluble salts. Dry the crucible along with the insoluble residue to constant mass. Transfer the residue obtained into a beaker. Alternatively, transfer the sintered crucible itself with the residue to 100 ml beaker, and add 15 to 20 ml of water and 25 ml of concentrated hydrochloric acid so that the sinter base is immersed in the acid. Heat to boiling for 10 to 15 minutes to ensure decomposition of the residue with the acid. Remove the sintered crucible from the beaker (if it is transferred to the beaker) and wash the crucible with water. Evaporate the extract and wash solution together to dryness and transfer the solid residue with 25 ml of dilute hydrochloric acid (1: 1).

G.2.1 Filter on a filter paper (Whatman No. 41 or equivalent), wash the precipitate first with warm dilute hydrochloric acid (1: 20) and then with hot water until washings are free from chloride. Dry the residue and ignite in a silica crucible at 550°C for 2 hours. Cool and weigh. NOTE - If silicate drier is not used, acid insoluble residue will be very low for accurate weighing. In that case, repeat with 50 g of dried material.

G.3 Calculation

$$\text{Acid insoluble matter, percent by mass} = \frac{100 \times M_1}{M_2}$$

M_1 = mass in g of the residue, and
M_2 = mass in g of dried sample taken for the test.

(FAD 08)

Publication Unit, BIS, New Delhi, India